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1-3 P. A. Craig
4 H. L. Henry
5 F. J. Zelle ✓

August 1, 1972

Mr. P. A. Craig, Chief
Nuclear Materials Management Branch
Production & Waste Management
Programs Division
U. S. Atomic Energy Commission
Richland Operations Office
Richland, Washington 99352

Classification Cancelled and Changed To

DECLASSIFIED

By Authority of RLO-CG-4,5,

WA Snyder, 2-14-94.

By Jesse Maly, 3-9-94

Verified By McHanson, 3-21-94

Dear Mr. Craig:

SCRAP STATUS REPORTS FOR PLUTONIUM-239 AND ENRICHED URANIUM

Attached are the scrap status reports you requested by your letter of July 14, 1972.

The additional detail required by this report disclosed the enriched uranium covered by our scrap declaration HYA-15 was not reported as scrap on the June 30 COEI Report.

If you have any questions, please call me.

Very truly yours,

ORIGINAL SIGNED BY
H. L. HENRY

H. L. Henry, Manager
Safety and Nuclear Materials Management

RLH:mt
In Triplicate

cc: W. E. Lotz - w/o attachments

DECLASSIFIED

Plus unclassified attachments

This document classified by: H. L. Henry

RIS: HYAMATERIAL: Pu03 UNIRRADIATED SCRAP SUMMARY SHEET

(April 1 to June 30, 1972)

DECLASSIFIED

	<u>Element</u> (grams)	<u>Isotope</u> (grams)
Beginning Inventory	79,511	74,343
Receipts	-0-	-0-
Generation	29,220	27,321
Shipped to ARHCO	35,766	33,441
Shipped Off Site	-0-	-0-
Transfers to Waste	100	94
Ending Inventory	72,865	68,129

DECLASSIFIEDANALYSIS OF 03 SCRAP ENDING INVENTORY

As of June 30, 1972

<u>ANSI</u> <u>Classification</u>	<u>Total</u> <u>Element</u> <u>(grams)</u>	<u>Scrap</u> <u>Isotope</u> <u>(grams)</u>	<u>Net Bulk Weight</u> <u>and/or Volume</u>	
			<u>kgs.</u>	<u>ft.³</u>
52B10	77	72	*	*
52B16	1,056	987	1	*
52B19	204	191	*	*
52B70	44	41	*	*
52C00	1,796	1,679	2	*
52C01	65,840	61,560	74	
52C41	1,133	1,059	2	
52C43	403	377	1	
52C70	1,514	1,416	2	
52D01	758	709		~150
52F01	16	15	2	*
52F06	<u>24</u>	<u>22</u>		
	72,865	68,128		

RIS: HYAMATERIAL: E. U.
>10%**DECLASSIFIED**03 UNIRRADIATED SCRAP SUMMARY SHEET

(April 1 to June 30, 1972)

	<u>Element</u> (grams)	<u>Isotope</u> (grams)
Beginning Inventory	2	2
Receipts	-0-	-0-
Generation	299	279
Shipped to ARHCO	299	279
Shipped Off Site	-0-	-0-
Transfers to Waste	2*	2
Ending Inventory	-0-	-0-

* to MUF

DECLASSIFIEDANALYSIS OF 03 SCRAP ENDING INVENTORY

As of June 30, 1972

ANSI
ClassificationTotal Scrap
Element Isotope
(grams) (grams)Net Bulk Weight
and/or Volume

Balance

-0--0-

TOTAL

-0--0-

DECLASSIFIED

RIS: HYA

MATERIAL: EU
04

NON 02-03 UNIRRADIATED SCRAP SUMMARY SHEET

(January 1 to June 30, 1972)

	<u>Element</u> (grams)	<u>Isotope</u> (grams)
Beginning Inventory	1,724,707	57,354
Receipts	-0-	-0-
Generation	979,438	19,348
Recovered On Site	-0-	-0-
Shipped Off Site	698,709	15,105
Transfers to Waste	255*	38
Ending Inventory	2,005,181	61,311

* 59 grams to MUF

2 grams Analytical Samples

RIS: HYAMATERIAL: E.U.
04ANALYSIS OF NON 02-03 SCRAP ENDING INVENTORY

As of June 30, 1972

<u>ANSI</u> <u>Classification</u>	<u>Declared to CSMO</u> <u>Element</u> <u>(grams)</u>	<u>Isotope</u> <u>(grams)</u>	<u>Undeclared to CSMO</u> <u>Element</u> <u>(grams)</u>	<u>Isotope</u> <u>(grams)</u>	<u>Total</u> <u>Element</u> <u>(grams)</u>	<u>Scrap</u> <u>Isotope</u> <u>(grams)</u>	<u>Net Bulk Weight</u> <u>and/or Volume</u> <u>kgs. ft.</u>
27C04			748	23	748	23	1
38C04			108	101	108	101	*
38A11			129	120	129	120	*
23A13			7,484	107	7,484	107	10
25A13			12,655	316	12,655	316	14
26A13			8,754	250	8,754	250	10
27A13			13,653	411	13,653	411	16
21A18			5,806	42	5,806	42	7
25A40	68,492	1,668			68,492	1,668	75
26A40	1,814	52			1,814	52	2
27A40	5,035	150			5,035	150	6
31A40	27,124	1,223			27,124	1,223	31
38A40	2,525	2,352			2,525	2,352	115
38B11			45	42	45	42	*
25B23			8,936	179	8,936	179	10
32B23			463	23	463	23	1
22B41			816	8	816	8	1
27B41			3,220	96	3,220	96	36
31B41			24,675	1,110	24,675	1,110	30
38B41			3,488	3,342	3,588	3,342	40
31B42	1,270	57			1,270	57	2
38B60	15	14			15	14	*

DECLASSIFIED

Analysis of Non 02-03 Scrap Ending Inventory
As of June 30, 1972
Page - 2

<u>ANSI Classification</u>	<u>Declared to CSMO Element (grams)</u>	<u>Isotope (grams)</u>	<u>Undeclared to CSMO Element (grams)</u>	<u>Isotope (grams)</u>	<u>Total Element (grams)</u>	<u>Scrap Isotope (grams)</u>	<u>Net Bulk Weight and/or Volume kgs. ft.</u>
25C01	1,493,117	29,862	293,728	6,902	1,786,845	36,764	1,941
32C01			921	47	921	47	1
36C04			9	4	9	4	*
38C04	183	170			183	170	2
38C04	13,513	12,587			13,513	12,587	16
38C04			5	5	5	5	*
25G03			6,350	149	6,350	149	7
	<u>1,613,088</u>	<u>48,135</u>	<u>391,993</u>	<u>13,277</u>	<u>2,005,181</u>	<u>61,412</u>	<u>2384</u>

The following is declared as scrap but not listed on COEI as scrap.

28B23	19,057	610
30C01	122,923	4,794
30B40	14,968	584
31C01	<u>68,039</u>	<u>2,926</u>
	224,981	8,914

DECLASSIFIED

DECLASSIFIED

RIS: HYA

MATERIAL: PU

NON 02-03 UNIRRADIATED SCRAP SUMMARY SHEET

(January 1 to June 30, 1972)

	<u>Element</u> <u>(grams)</u>	<u>Isotope</u> <u>(grams)</u>
Beginning Inventory	104,192	91,238
Receipts	-0-	-0-
Generation	73,455	63,004
Shipped to ARHCO	54,292	47,368
Shipped Off Site	-0-	-0-
Transfers to Waste	-0-	-0-
Ending Inventory	123,355	106,874

RIS: HYAMATERIAL: PuANALYSIS OF NON 02-03 SCRAP ENDING INVENTORY

As of June 30, 1972

ANSI Classification	Declared to CSMO		Undeclared to CSMO		Total Scrap		Net Bulk Weight and/or Volume	
	Element (grams)	Isotope (grams)	Element (grams)	Isotope (grams)	Element (grams)	Isotope (grams)	kgs	ft.
51D01 ¹⁾	1,458	1,429			1,458	1,429	50	
53D06 ¹⁾	8,598	7,902			8,598	7,902	56	
53D40 ¹⁾	27	25			27	25	1	
54D40 ¹⁾	1,627	1,432			1,627	1,432	7	
54D06 ¹⁾	1,845	1,624			1,845	1,624	3	
56D06 ¹⁾	2,656	2,133			2,656	2,133	8	
57D06	201	152			201	152	6	
52A01	16	15			16	15	*	
53A03			92	85	92	85	*	
52A06	38	36			38	36	*	
56B01			1	1	1	1	*	
53B40	621	572			621	572	1	
52C01	4,403	4,117			4,403	4,117	5	
52C02	46	43			46	43	*	
52D00	200	187			200	187	1	
54D06	69,112	61,096			69,112	61,096	94	
56D06	32,300	25,937			32,300	25,937	44	
57D06	114	88			114	88		
	123,262	106,788	93	86	123,355	106,874		

1) 16,412 grams Pu not reflected on COEI as Scrap

DECLASSIFIED

DECLASSIFIED

RIS: HYA

MATERIAL: E.U.
<10%

02 UNIRRADIATED SCRAP SUMMARY SHEET
(April 1 to June 30, 1972)

	<u>Element</u> (grams)	<u>Isotope</u> (grams)
Beginning Inventory	3,664,284	76,602
Receipts	-0-	-0-
Generation	1,532,145	20,970
Shipped to ARHCO	-0-	-0-
Shipped Off Site	5,127,165	96,756
Transfers to Waste	-0-	-0-
Ending Inventory	69,264	816

DECLASSIFIED

RIS: _____

MATERIAL: E.U.
 <10%

ANALYSIS OF 02 SCRAP ENDING INVENTORY

As of June 30, 1972

<u>ANSI</u> <u>Classification</u>	<u>Total Scrap</u> <u>Element</u> <u>(grams)</u>	<u>Isotope</u> <u>(grams)</u>	<u>Net Bulk Weight</u> <u>and/or Volume</u> <u>kgs. ft.</u>
21A10	6,804	54	8
21A18	7,348	53	8
22A18	12,111	115	13
22A40	7,303	69	15
23A40	20,412	300	41
23A40	<u>14,832</u>	<u>218</u>	30
Sub total	68,810	809	
Balance	<u>454</u>	<u>7</u>	<u> </u>
TOTAL	69,264	816	

DECLASSIFIED

RIS: HYA

MATERIAL: E.U.
>10%

02 UNIRRADIATED SCRAP SUMMARY SHEET

(April 1 to June 30, 1972)

	<u>Element</u> (grams)	<u>Isotope</u> (grams)
Beginning Inventory	561	522
Receipts	-0-	-0-
Generation	-0-	-0-
Shipped to ARHCO	-0-	-0-
Shipped Off Site	-0-	-0-
Transfers to Waste	-0-	-0-
Ending Inventory	561	522

DECLASSIFIED

RIS: HYA

MATERIAL: E.U.
>10%

ANALYSIS OF O2 SCRAP ENDING INVENTORY

As of June 30, 1972

<u>ANSI</u> <u>Classification</u>	Total Scrap <u>Element</u> <u>(grams)</u>	<u>Isotope</u> <u>(grams)</u>	Net Bulk Weight and/or Volume <u>kgs.</u> <u>ft.</u>
Balance	<u>561</u>	<u>522</u>	
TOTAL	561	522	

DECLASSIFIED

RIS: HYAMATERIAL: Pu02 UNIRRADIATED SCRAP SUMMARY SHEET

(April 1 to June 30, 1972)

	<u>Element</u> (grams)	<u>Isotope</u> (grams)
Beginning Inventory	6,322	5,816
Receipts	-0-	-0-
Generation	-0-	-0-
Shipped to Arhco	6,321	5,815
Shipped Off Site	-0-	-0-
Transfers to Waste	-0-	-0-
Ending Inventory	1	1

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DECLASSIFIED

RIS: HYA

MATERIAL: Pu

ANALYSIS OF O2 SCRAP ENDING INVENTORY
As of June 30, 1972

<u>ANSI</u> <u>Classification</u>	<u>Total</u> <u>Element</u>	<u>Scrap</u> <u>Isotope</u>	<u>Net Bulk Weight</u> <u>and/or Volume</u>
Subtotal	-0-	-0-	
Balance	<u>1</u>	<u>*</u>	
TOTAL	1	*	

**DATE
FILMED**

10/24/94

END